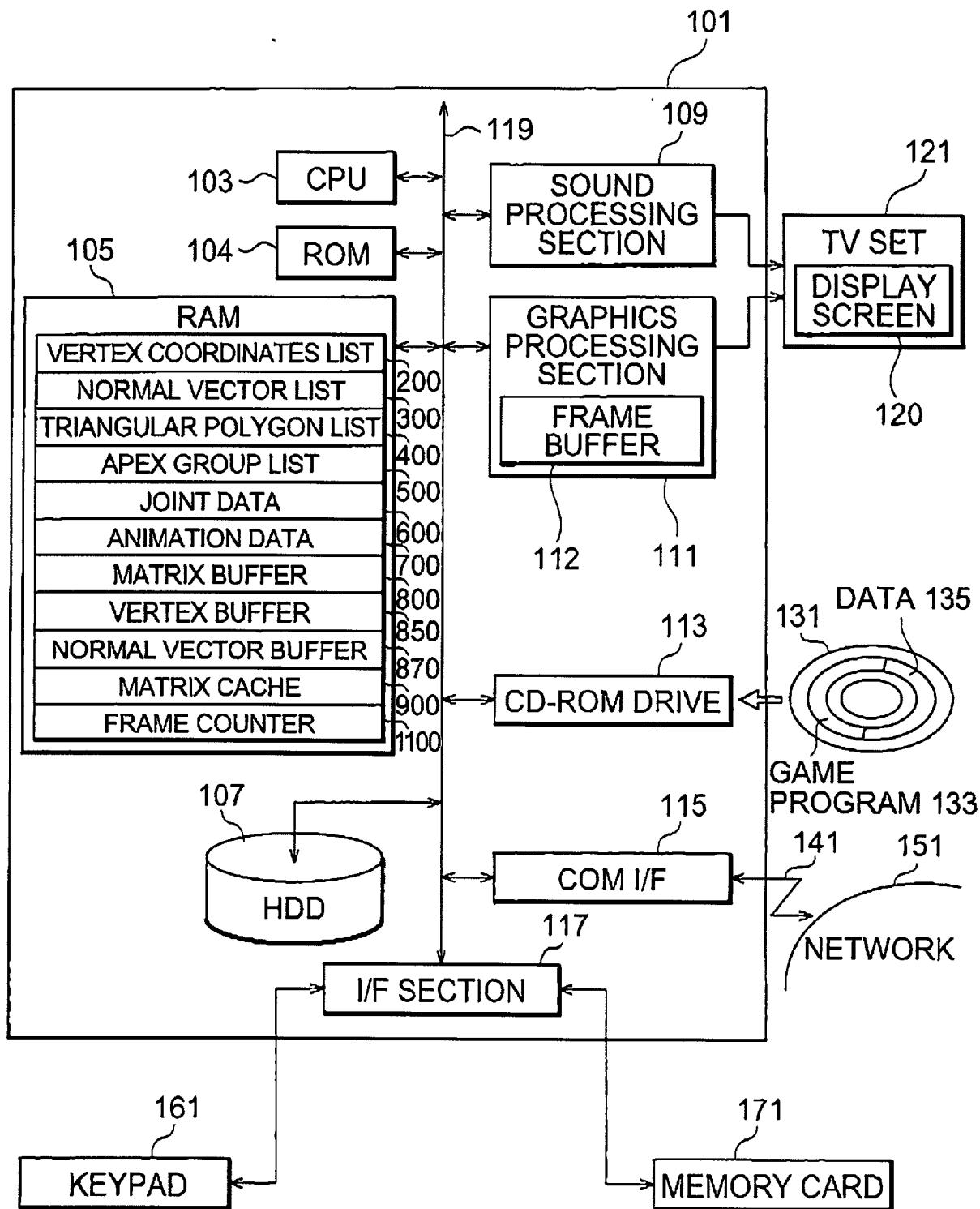


FP00-0104-00

Fig.1



FP00-0104-00

Fig.2

Diagram illustrating the data structure for vertex coordinates. A table is shown with two columns: 'INDEX' and 'COORDINATES (x,y,z)'. The table contains six rows of data. Index 210 points to the first column, coordinate block 200 points to the second column, and index 220 points to the last column.

INDEX	COORDINATES (x,y,z)
vtx0	(0, 0, 0)
vtx1	(0, 0, 100)
vtx2	(0, 100, 0)
vtx3	(0, 100, 100)
vtx4	(100, 0, 0)
⋮	⋮

Fig.3

Diagram illustrating the data structure for normal vectors. A table is shown with two columns: 'INDEX' and 'NORMAL VECTOR (x,y,z)'. The table contains six rows of data. Index 310 points to the first column, vector block 300 points to the second column, and index 320 points to the last column.

INDEX	NORMAL VECTOR (x,y,z)
nml0	(1, 0, 0)
nml1	(-1, 0, 0)
nml2	(0, 0, -1)
nml3	(-1, -1, 0)
nml4	(0, -1, 0)
⋮	⋮

FP00-0104-00

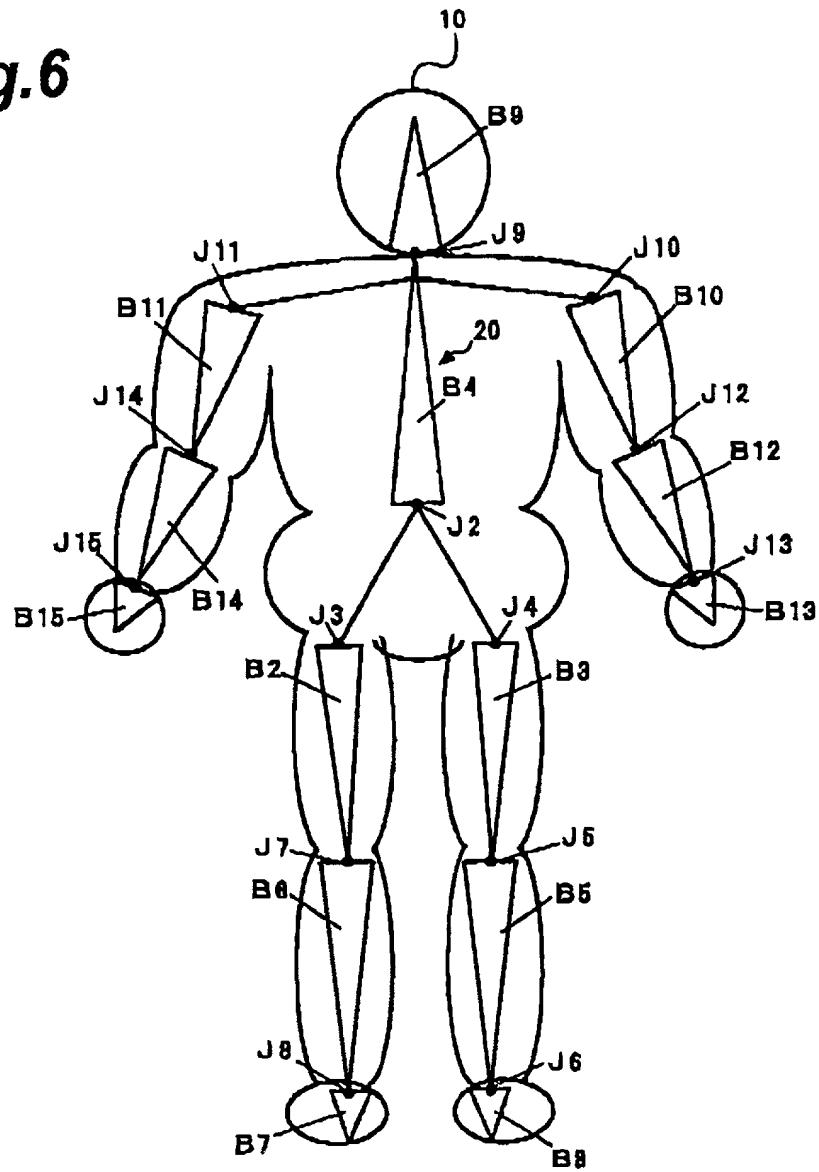
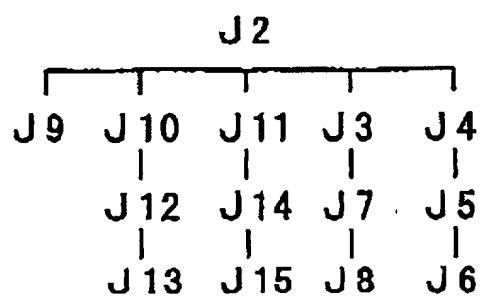
Fig.4

INDEX	VERTEX 0	VERTEX 1	VERTEX 2
plg0	vtx0 / nml0	vtx1 / nml2	vtx2 / nml3
plg1	vtx0 / nml1	vtx2 / nml3	vtx3 / nml4
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮

Fig.5

VERTEX GROUP LIST							
510	NUMBER OF GROUPS		3				
520	NUMBER OF MEMBERS		4				
530	VERTEX	vtx1	WEIGHT (540)	1.0	NUMBER OF NORMALS(570)	2	NORMALS (591)
532	VERTEX	vtx2	WEIGHT (542)	1.0	NUMBER OF NORMALS(572)	1	NORMALS (592)
534	VERTEX	vtx3	WEIGHT (544)	1.0	NUMBER OF NORMALS(574)	1	NORMALS (593)
536	VERTEX	vtx4	WEIGHT (546)	1.0	NUMBER OF NORMALS(576)	2	NORMALS (594)
522	NUMBER OF MEMBERS		4				
550	VERTEX	vtx5	WEIGHT (560)	0.5	NUMBER OF NORMALS(580)	1	NORMALS (595)
552	VERTEX	vtx6	WEIGHT (562)	0.5	NUMBER OF NORMALS(582)	1	NORMALS (596)
554	VERTEX	vtx7	WEIGHT (564)	1.0	NUMBER OF NORMALS(584)	1	NORMALS (597)
556	VERTEX	vtx8	WEIGHT (566)	1.0	NUMBER OF NORMALS(586)	3	NORMALS (598)
524	NUMBER OF MEMBERS		1				
558	VERTEX	vtx7	WEIGHT (568)	0.5	NUMBER OF NORMALS(588)	1	NORMALS (599)

FP00-0104-00

Fig.6**Fig.7**

FP00-0104-00

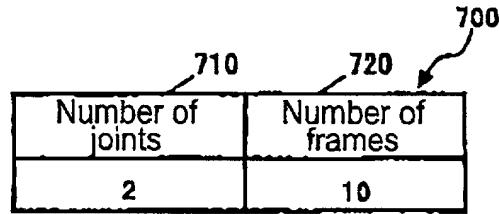
Fig.8

Diagram illustrating the structure of a data table 600 representing a hierarchical joint configuration. The table is organized into two main sections: Joint 0 and Joint 1, each with its own set of parameters.

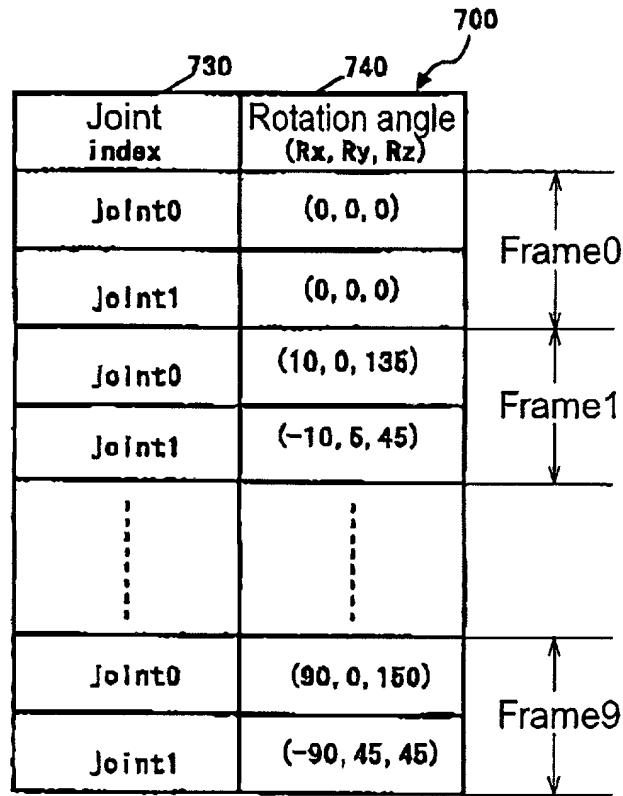
Table 600 Structure:

	Value
610 Root index	root
612 Basic parallel movement amount (x, y, z)	(0, 0, 0)
614 Basic Rotation angle (Rx, Ry, Rz)	(0, 0, 90)
616 Number of joints	4
620 Joint index	Joint0
622 Parent index	root
624 Basic parallel movement amount (x, y, z)	(90, 20, 0)
626 Basic Rotation angle (Rx, Ry, Rz)	(0, 0, 135)
628 Number of vertex groups	2
630 Vertex group number	0
632 Vertex group number	2
640 Joint index	Joint1
642 Parent index	Joint0
644 Basic parallel movement amount (x, y, z)	(40, 0, 0)
646 Basic Rotation angle (Rx, Ry, Rz)	(0, 0, 45)
648 Number of vertex groups	1
650 Vertex group number	1

FP00-0104-00

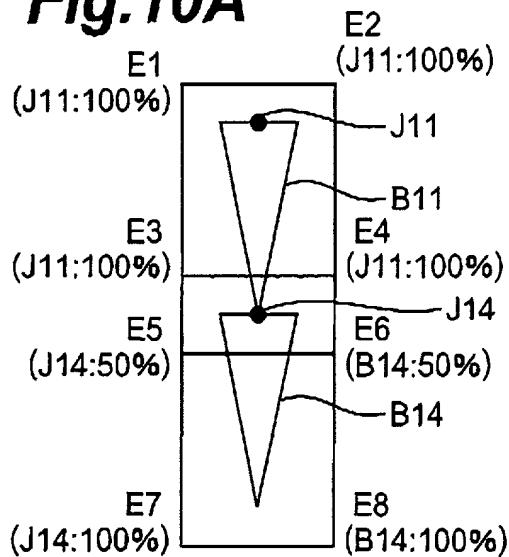
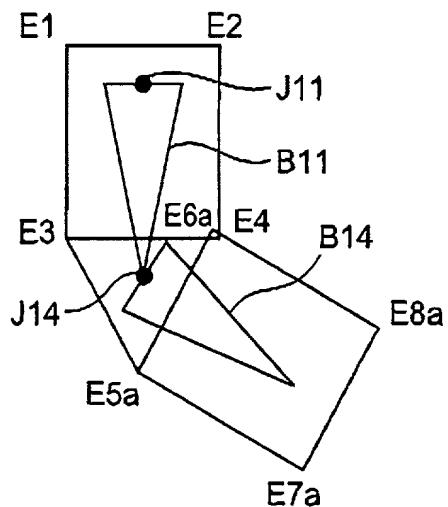
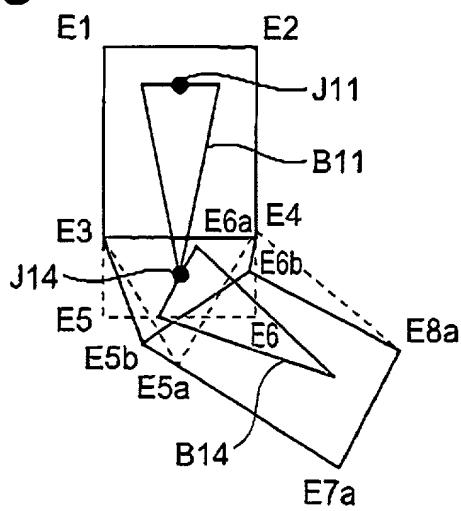
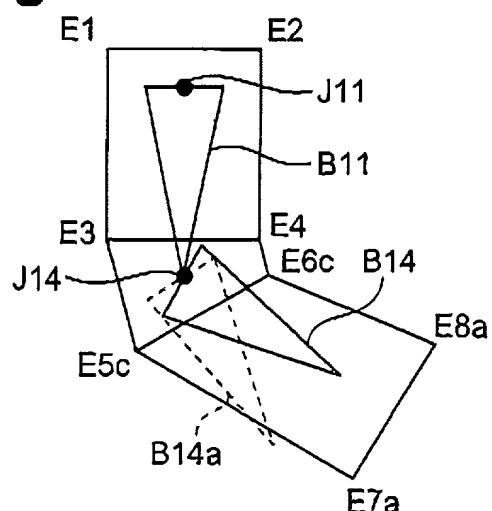
Fig.9A

Number of joints	Number of frames
2	10
10	2

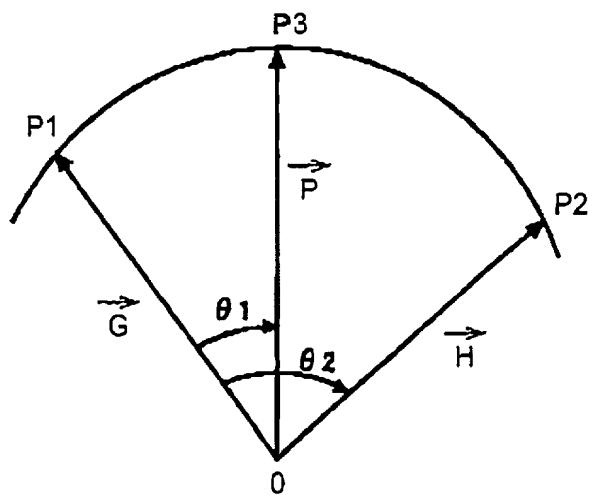
Fig.9B

Joint index	Rotation angle (Rx, Ry, Rz)
Joint0	(0, 0, 0)
Joint1	(0, 0, 0)
Joint0	(10, 0, 135)
Joint1	(-10, 5, 45)
Joint0	(90, 0, 150)
Joint1	(-90, 45, 45)

FP00-0104-00

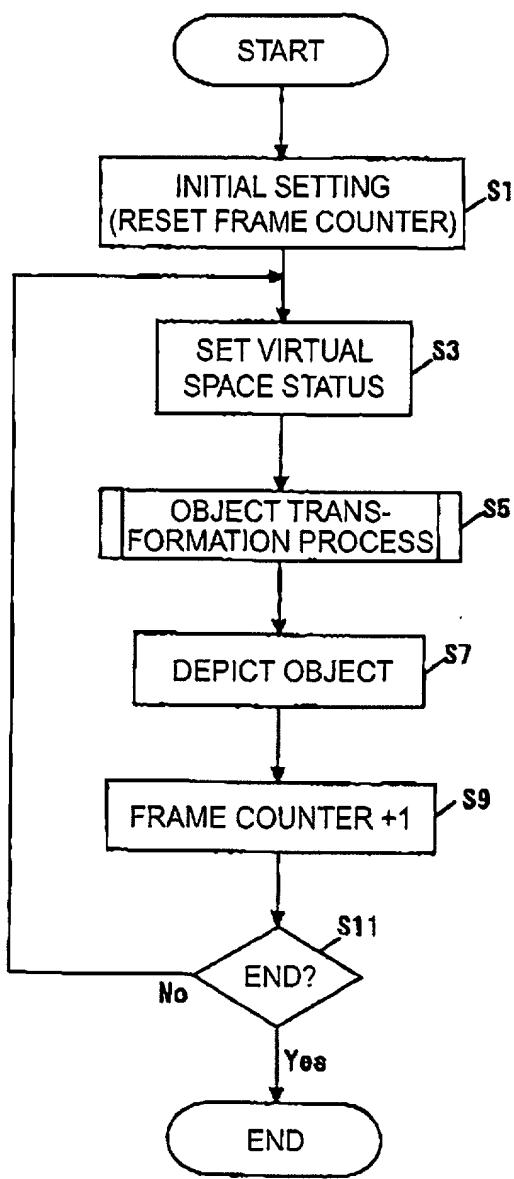
Fig.10A**Fig.10B****Fig.10C****Fig.10D**

FP00-0104-00

Fig.11

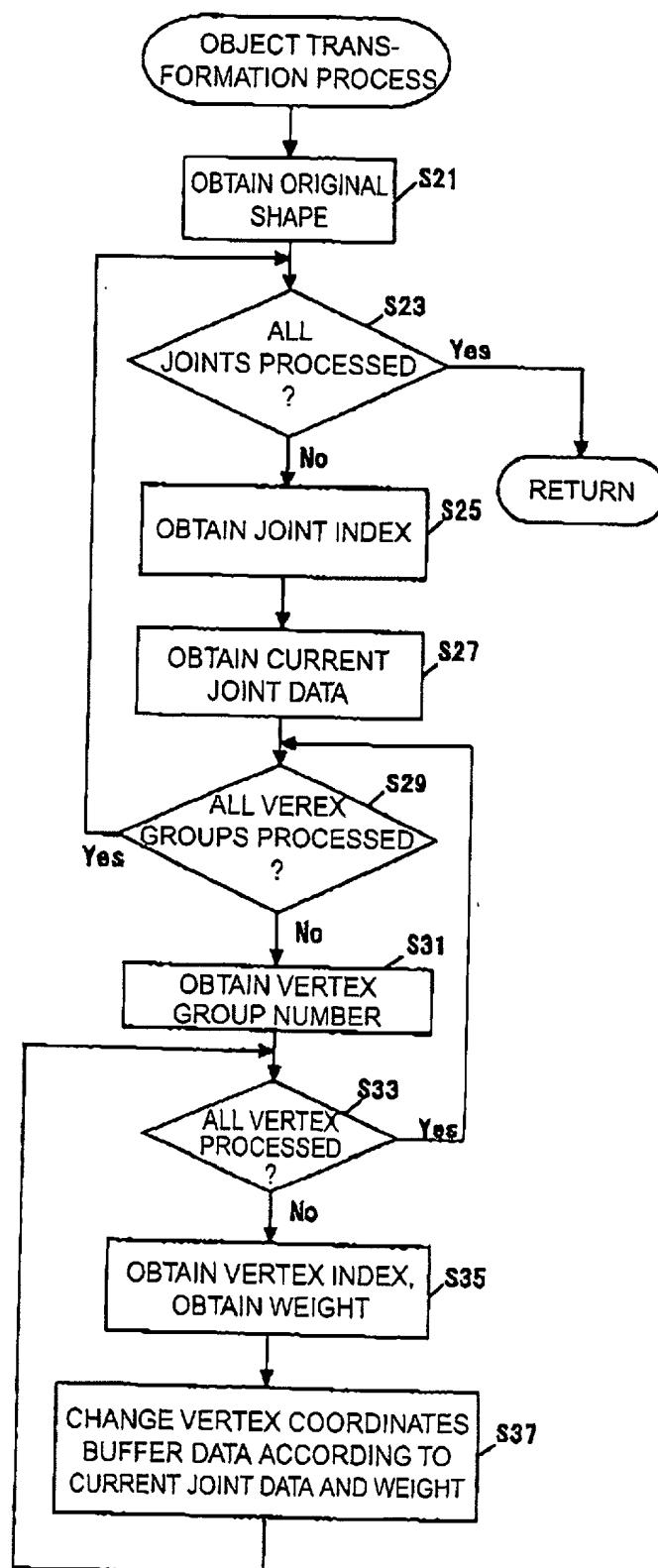
FP00-0104-00

Fig.12



FP00-0104-00

Fig.13



FP00-0104-00

Fig.14

Diagram illustrating a table structure for joint index and matrix data. The table has two columns: 'Joint index' and 'Matrix data'. The 'Joint index' column contains 'root', 'Joint0', and 'Joint1'. The 'Matrix data' column contains 'Root conversion matrix', 'Conversion matrix with 100% weight of joint0', and 'Conversion matrix with 100% weight of joint1'. A pointer labeled 800 points to the 'Matrix data' column. Pointers 810 and 820 point to the first and second columns respectively.

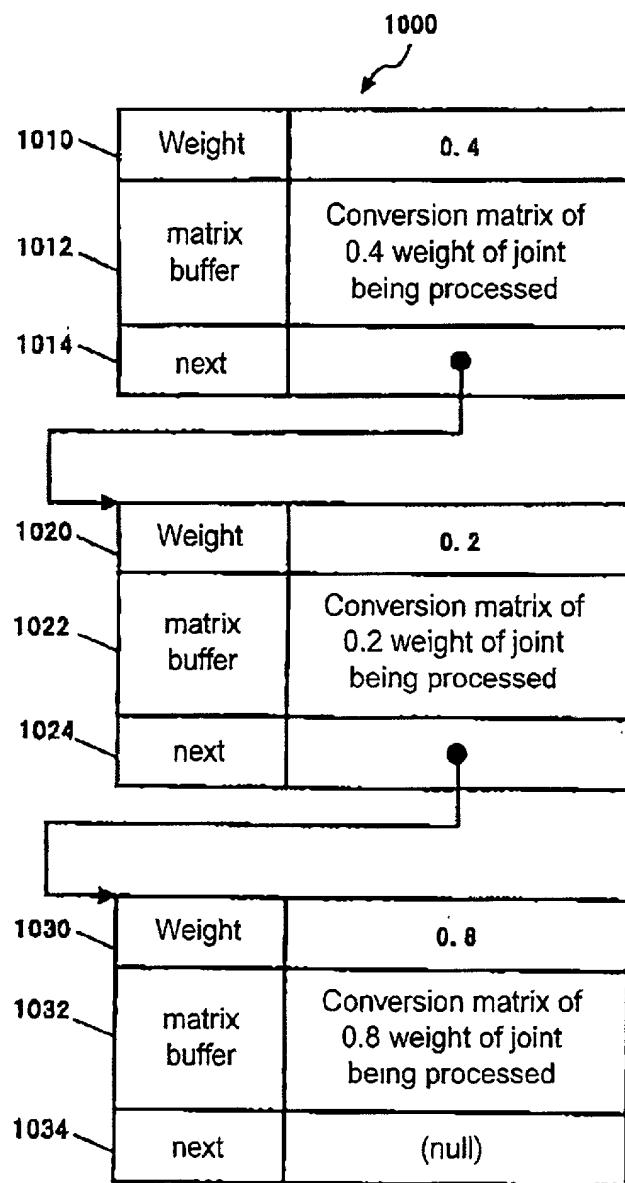
Joint index	Matrix data
root	Root conversion matrix
Joint0	Conversion matrix with 100% weight of joint0
Joint1	Conversion matrix with 100% weight of joint1

Fig.15

Diagram illustrating a table structure for weight and matrix buffer. The table has two columns: 'Weight' and 'Weight'. The 'Weight' column contains 'matrix buffer'. The 'Weight' column contains 'Conversion matrix according to weight of joint being processed'. A pointer labeled 900 points to the 'Weight' column. Pointers 910 and 920 point to the first and second columns respectively.

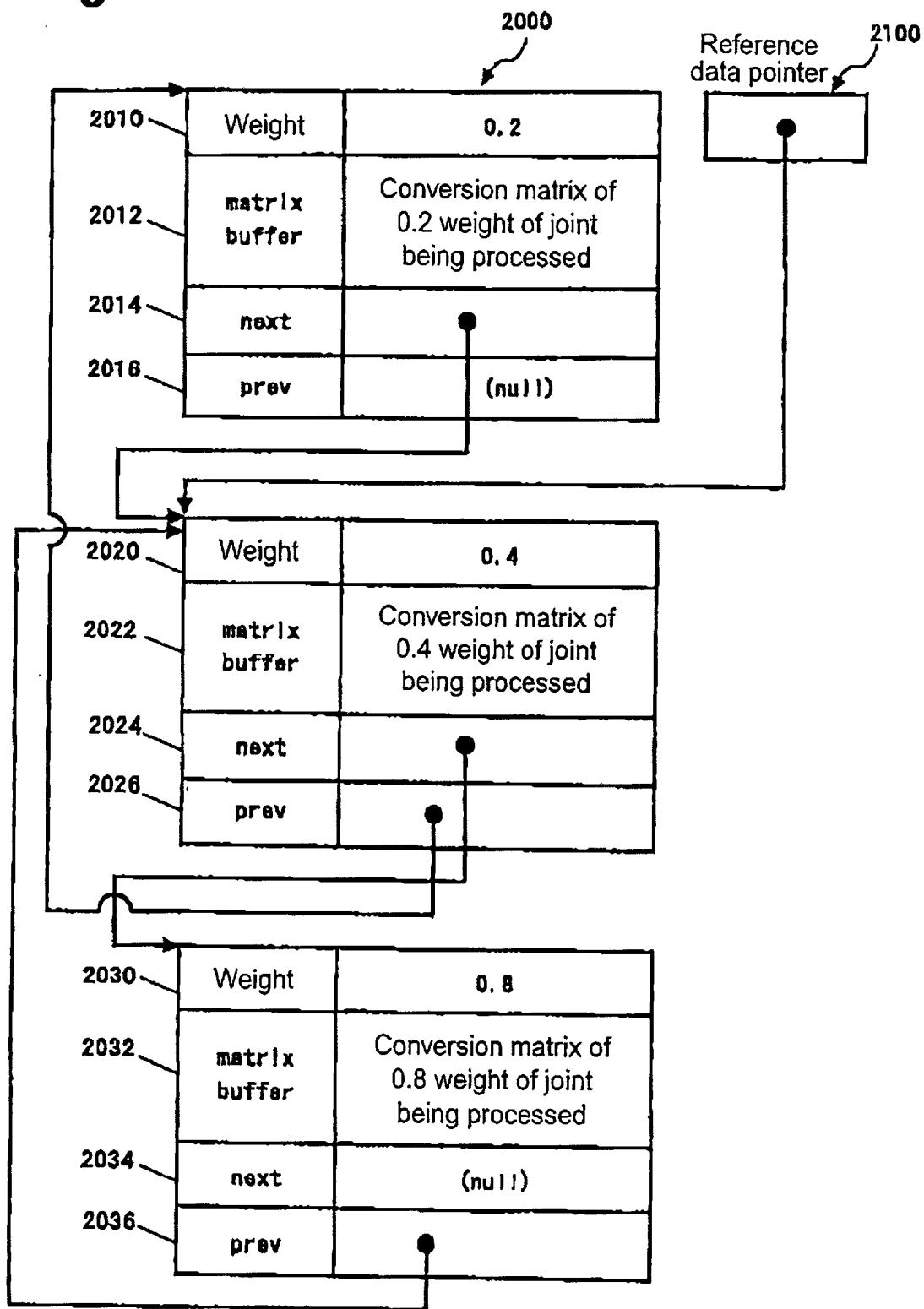
Weight	Weight
matrix buffer	Conversion matrix according to weight of joint being processed

FP00-0104-00

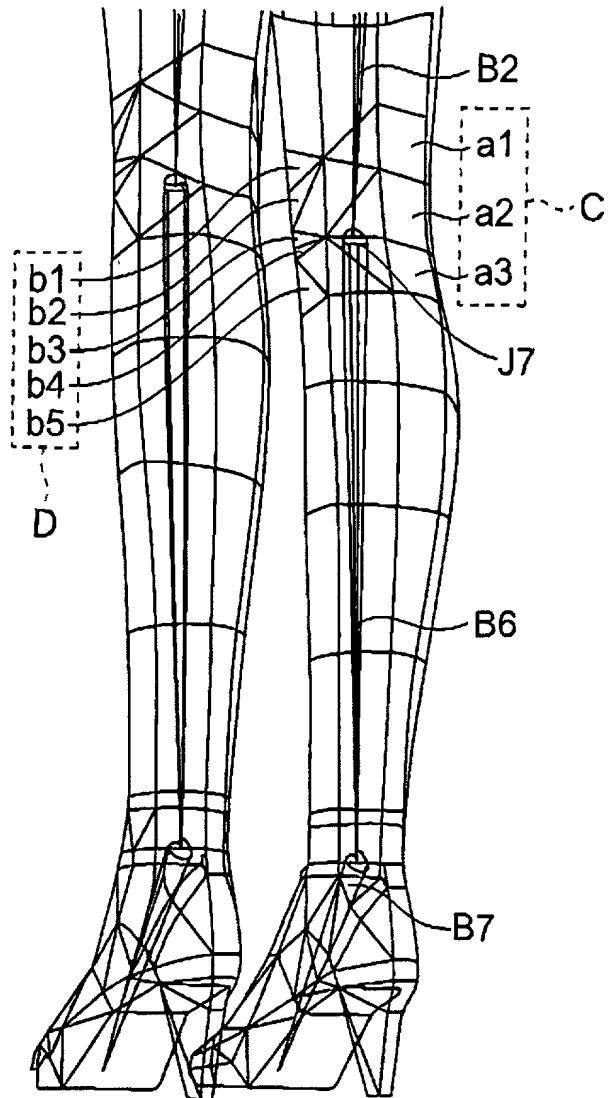
Fig.16

FP00-0104-00

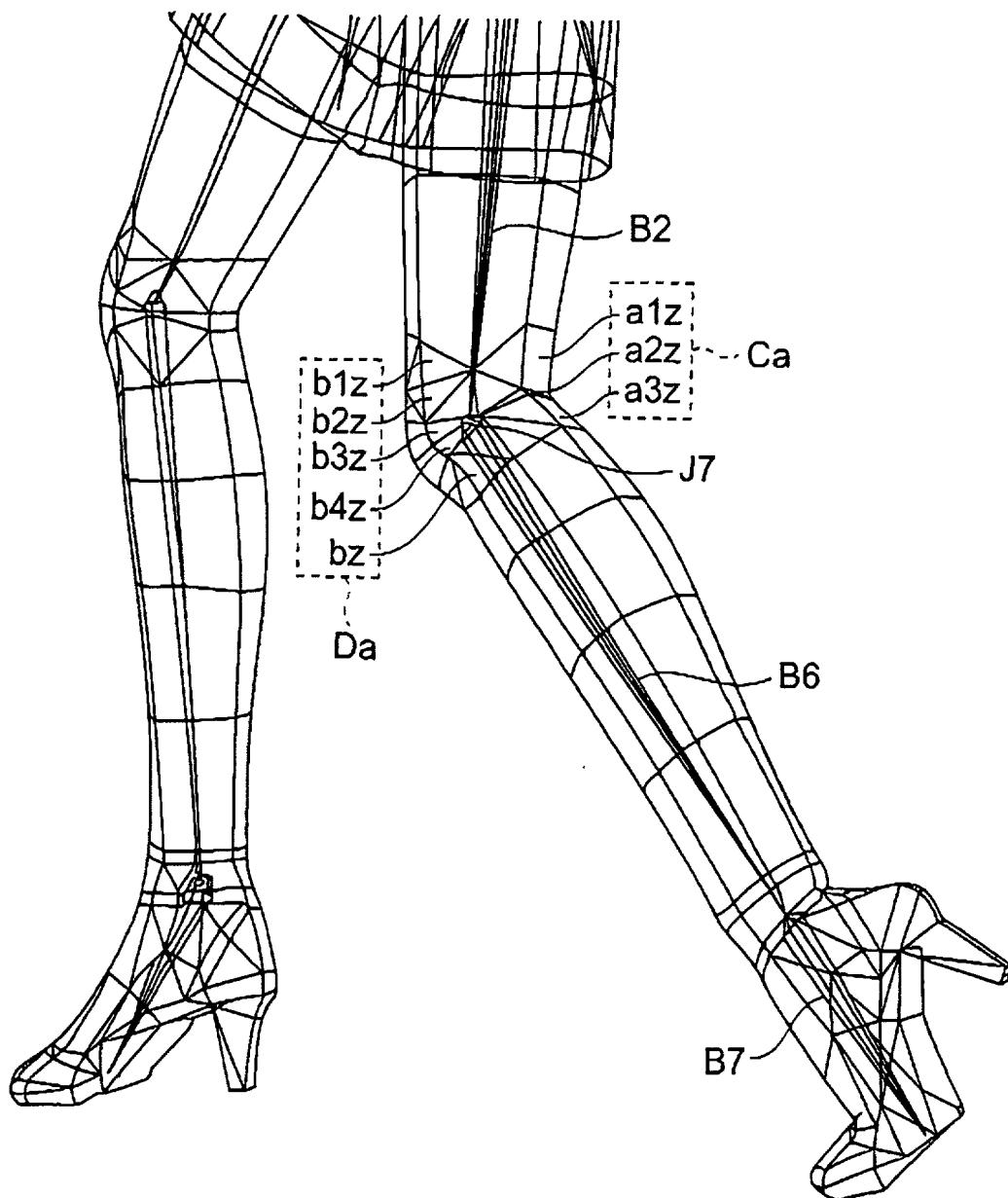
Fig.17



FP00-0104-00

Fig.18

FP00-0104-00

Fig.19

FP00-0104-00

Fig.20

FP00-0104-00

Fig.21